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Aug 29, 2000

US-PAT-NO: 6111081

DOCUMENT-IDENTIFIER: US 6111081 A

TITLE: Lactoferrin variants and uses thereof

DATE-ISSUED: August 29, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Ward; Pauline P.	Houston	TX	N/A	N/A

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APPL-NO: 8/ 866544

DATE FILED: May 30, 1997

PARENT-CASE:

The present application is a United States utility application based upon U.S. provisional application Ser. No. 60/018,747 filed on May 31, 1996.

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ART-UNIT: 162

PRIMARY-EXAMINER: Achutamurthy; Ponnathapura

ASSISTANT-EXAMINER: Moore; William W.

ATTY-AGENT-FIRM: Halluin; Albert P. Smith; J. David Howrey & Simon

ABSTRACT:

The present invention is directed to recombinant nucleic acids encoding lactoferrin variants and portions thereof, having modified iron-binding capacity, and to vectors comprising same recombinant nucleic acids. The present invention is further directed to methods of producing such vectors, and to transfected cells harboring the same. Methods for the production of lactoferrin variants and portions thereof, in various eukaryotic or prokaryotic cells are also provided.

Finally, the invention is directed to lactoferrin variants and portions thereof encoded by the nucleic acids of the invention and produced by the processes of the invention. Thus, the invention provides an efficient and economical means for the production of recombinant lactoferrin variants and portions thereof.

15 Claims, 4 Drawing figures